


Unit 1 – Numbers and Numerals

No.	Question	Answer
1.1	What would the time on the analogue clock below be on a 24 hr clock?	 Morning: 03.15 Afternoon: 15.15
1.2	What time is it 50 minutes after 13:40?	14.30
1.3	How can you write 360 seconds in minutes?	6 minutes (To convert from seconds to minutes, divide by 60)
1.4	How can you write 12 minutes in seconds	720 seconds (To convert from minutes to seconds, multiply by 60)
1.5	How can you write 300 minutes in hours?	5 hours (to convert from minutes to hours, divide by 60)
1.6	How can you write 2 hours in seconds?	7,200 seconds (Hours -> minutes: multiply by 60 Minutes -> seconds: multiply by 60 So, in total, for hours -> seconds: multiply by $60 \times 60 = 3600$)
1.7	What is place value?	The value of where the digit is in the number
1.8	How do you write ten thousand?	10,000
1.9	How do you write one hundred thousand?	100,000
1.10	What does > mean?	Greater than e.g. $3 > 2$
1.11	What does < mean?	Smaller than e.g. $2 < 3$



Unit 1 top tip:
Remember, 24hr time should ALWAYS contain 4 digits!

Unit 2 – Axioms and Arrays

No.	Question	Answer	Example
2.1	What is commutativity?	The numbers can be arranged in any order and the answer remains the same. Commutativity applies to \times and $+$ & does not apply to \div and $-$	$3 \times 2 = 6$ ✓ $2 \times 3 = 6$ ✓ $5 + 15 = 20$ ✓ $15 + 5 = 20$ ✓ $6 \div 3 = 2$ $3 \div 6 = 0.5$ ✗
2.2	What is a fact family?	The different calculations which represent a bar model/calculation.	$10 + 4 = 14$ $4 + 10 = 14$ $10 = 14 - 4$ $4 = 14 - 10$
2.3	What is associativity?	You can add or multiply regardless of how the number are grouped and get the same answer.	$2 + (3 + 4) = (2 + 3) + 4$ $2 \times (3 \times 4) = (2 \times 3) \times 4$
2.4	What is a multiple?	A number in the times table	Multiples of 6: 6, 12, 18, 24, 30...
2.5	What is the result of even x even?	Even	$4 \times 6 = 24$ $2 \times 20 = 40$
2.6	What is the result of odd x even?	Even	$3 \times 4 = 12$ $5 \times 6 = 30$
2.7	What is the result of even x odd?	Even (commutativity from Q2.6!!)	$4 \times 3 = 12$ $6 \times 5 = 30$
2.8	What is the result of odd x odd?	Odd	$3 \times 7 = 21$ $9 \times 11 = 99$



Unit 2 top tip:
If you forget any of the rules from **2.5-2.8**, try some examples and you will quickly make the rule yourself!